**FORM PTO - 1449** 

INFORMATION DISCLOSURE STATEMENT

SP 0 1 2014 25

ATTY DOCKET NO.: ASC-022CPC1

APPLICANT: Wu et al.

SERIAL NO.: 10/603,852

FILING DATE: June 25, 2003

EXAMINER: Owens, Douglas W.

GROUP: 2811

| EXAM.<br>INIT. | ·   | DOCUMENT<br>NUMBER | DATE       | NAME            |             | CLASS | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|----------------|-----|--------------------|------------|-----------------|-------------|-------|--------------|-------------------------------|
| QHO            | A70 | 2001/0003364       | 06/14/2001 | Sugawara et a   | ıl.         |       |              |                               |
|                | A71 | 2001/0007789       | 07/12/2001 | Aspar et al.    |             |       |              |                               |
|                | A72 | 2002/0043660       | 04/18/2002 | Yamazaki et d   | ıl.         |       |              |                               |
|                | A73 | 2002/0084000       | 07/04/2002 | Fitzgerald      |             |       |              |                               |
|                | A74 | 2002/0096717       | 07/25/2002 | Chu et al.      |             |       |              |                               |
|                | A75 | 2002/0100942       | 08/01/2002 | Fitzgerald et a | zl.         |       | <del></del>  |                               |
|                | A76 | 2002/0123167       | 09/05/2002 | Fitzgerald      |             | -     |              |                               |
|                | A77 | 2002/0123183       | 09/05/2002 | Fitzgerald      |             |       |              |                               |
|                | A78 | 2002/0125471       | 09/12/2002 | Fitzgerald et a | 21.         |       |              |                               |
|                | A79 | 2002/0168864       | 11/14/2002 | Cheng et al.    |             | -     |              |                               |
|                | A80 | 2003/0003679       | 01/02/2003 | Doyle et al.    |             |       |              |                               |
|                | A81 | 2003/0013305       | 01/16/2003 | Sugii et al.    |             | _     |              |                               |
|                | A82 | 2003/0034529       | 02/20/2003 | Fitzgerald et   | al.         |       |              |                               |
|                | A83 | 2003/0057439       | 03/27/2003 | Fitzgerald      |             |       |              |                               |
|                | A84 | 2003/0102498       | 06/05/2003 | Braithwaite e   | t al.       |       |              |                               |
|                | A85 | 2003/0119280       | 06/26/2003 | Lee et al.      |             | *     |              | 12/02/2002                    |
|                | A86 | 2003/0127646       | 07/10/2003 | Christiansen    | et al.      |       |              | 12/18/2002                    |
|                | A87 | 2003/0139000       | 07/24/2003 | Bedell et al.   |             |       |              | 01/23/2002                    |
|                | A88 | 2003/0157787       | 08/21/2003 | Murthy et al.   |             |       |              | 02/21/2002                    |
|                | A89 | 2003/0160300       | 08/28/2003 | Takenaka et a   | 1.          |       |              | 02/24/2003                    |
|                | A90 | 2003/0178681       | 09/25/2003 | Clark et al.    |             |       |              | 04/02/2003                    |
| 1              | A91 | 2003/0189229       | 10/09/2003 | Mouli           |             |       |              | 04/05/2002                    |
| 00             | A92 | 2003/0199126       | 10/23/2003 | Chu et al.      |             |       |              | 04/23/2002                    |
| EXAMI          | NER | Daft.              | Ó~         |                 | DATE CONSIL | ERED  | 12/11        | /04                           |

**FORM PTO - 1449** 

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: ASC-022CPC1

APPLICANT: Wu et al.

SERIAL NO.: 10/603,852

FILING DATE: June 25, 2003

EXAMINER: Owens, Douglas W.

GROUP: 2811

| EXAM.<br>INIT. |  | DOCUMENT<br>NUMBER | DATE       | NAME          |                                       | CLASS   | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|----------------|--|--------------------|------------|---------------|---------------------------------------|---------|--------------|-------------------------------|
| 010            | A93                                    | 2003/0201458       | 10/30/2003 | Clark et al.  |                                       |         |              | 05/16/2003                    |
| T              | A94                                    | 2003/0203600       | 10/30/2003 | Chu et al.    |                                       |         |              | 06/15/2003                    |
|                | A95                                    | 2003/0207127       | 11/06/2003 | Murthy et al. |                                       |         |              | 05/30/2003                    |
| •              | A96                                    | 2003/0215990       | 11/20/2003 | Fitzgerald et | al.                                   |         |              | 03/14/2003                    |
|                | A97                                    | 2003/0218189       | 11/27/2003 | Christiansen  |                                       |         |              | 11/19/2002                    |
|                | A98                                    | 2003/0219957       | 11/27/2003 | Kuwabara et   | al.                                   |         |              | 05/29/2003                    |
|                | A99                                    | 2003/0227036       | 12/11/2003 | Sugiyama et   | al.                                   |         |              | 02/21/2003                    |
|                | A100                                   | 2003/0227057       | 12/01/2003 | Lochtefeld et | al.                                   |         |              | 10/04/2002                    |
|                | A101                                   | 2003/0230778       | 12/18/2003 | Park et al.   | · · · · · · · · · · · · · · · · · · · |         |              | 01/30/2003                    |
| +              | A102                                   | 2003/0232467       | 12/18/2003 | Anderson et   | al.                                   |         | <u> </u>     | 05/29/2003                    |
|                | A103                                   | 2004/0005740       | 01/01/2004 | Lochtefeld et | al.                                   |         |              | 06/06/2003                    |
|                | A104                                   | 2004/0007724       | 01/15/2004 | Murthy et al. | <u>-</u> .                            |         |              | 07/12/2002                    |
|                | A105                                   | 2004/0009649       | 01/15/2004 | Kub et al.    |                                       |         |              | 05/20/2003                    |
| _              | A106                                   | 2004/0012037       | 01/22/2004 | Venkatesan e  | et al.                                |         |              | 07/18/2002                    |
|                | A107                                   | 2004/0012075       | 01/22/2004 | Bedell et al. | •                                     |         |              | 07/16/2002                    |
|                | A108                                   | 2004/0014304       | 01/22/2004 | Bhattacharyy  | a                                     |         |              | 07/18/2002                    |
| +-             | A109                                   | 2004/0018699       | 01/29/2004 | Boyd et al.   |                                       |         |              | 07/24/2002                    |
| +-             | A110                                   | 2004/0031979       | 02/19/2004 | Lochtefeld    |                                       |         |              | 06/06/2003                    |
| +              | A111                                   | 2004/0031990       | 02/19/2004 | Jin et al.    | ·                                     |         |              | 08/16/2002                    |
| 1              | A112                                   | 2004/0041174       | 03/04/2004 | Okihara       |                                       |         |              | 03/21/2003                    |
|                | A113                                   | 2004/0041210       | 03/04/2004 | Mouli         |                                       |         |              | 09/02/2003                    |
|                | A114                                   | 2004/0048091       | 03/11/2004 | Sato et al.   |                                       |         |              | 09/04/2003                    |
| CH(9           | 2)(1) A115 2004/0048454 03/11/2004 Sak |                    |            | Sakaguchi     |                                       |         |              | 09/04/2003                    |
| EXAM           | NER                                    | Dough 1            | r. On      | -             | DATE CONSI                            | DERED / | 2/17/        | 04                            |

| FORM I         | PTO - 1     | 449                |            |                | ATTY DOCKET NO.: ASC-022CPC1 |       |              |                               |  |  |
|----------------|-------------|--------------------|------------|----------------|------------------------------|-------|--------------|-------------------------------|--|--|
| INFORM         | <b>ATIO</b> | N DISCLOSUR        | E STATEMI  | ENT            | APPLICANT: Wu et al.         |       |              |                               |  |  |
|                |             |                    |            |                | SERIAL NO.: 10/603,852       |       |              |                               |  |  |
|                |             |                    |            |                | FILING DATE: June 25, 2003   |       |              |                               |  |  |
| •              |             |                    |            |                | EXAMINER: Owens, Douglas W.  |       |              |                               |  |  |
|                |             |                    |            |                | GROUP: 2811                  |       |              |                               |  |  |
|                |             |                    | U.         | S. PATE        | NT DOCUMENTS                 |       |              |                               |  |  |
| EXAM.<br>INIT. |             | DOCUMENT<br>NUMBER | DATE       | NAME           |                              | CLASS | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |  |  |
| E)KI           | A116        | 2004/0051140       | 03/18/2004 | Bhattach       | агууа                        |       |              | 09/12/2002                    |  |  |
|                | A117        | 2004/0053477       | 03/18/2004 | Ghyseler       | n et al.                     |       |              | 07/09/2003                    |  |  |
|                | A118        | 2004/0075149       | 04/22/2004 | Fitzgeral      | d et al.                     |       |              | 07/23/2003                    |  |  |
|                | A119        | 4,704,302          | 11/03/1987 | Bruel et       | al.                          |       |              |                               |  |  |
|                | A120        | 4,710,788          | 12/01/1987 | Dambkes et al. |                              |       |              |                               |  |  |
|                | A121        | 4,987,462          | 01/22/1991 | Kim et al.     |                              |       |              |                               |  |  |
|                | A122        | 4,990,979          | 02/05/1991 | Otto           |                              |       |              |                               |  |  |
|                | A123        | 4,997,776          | 03/05/1991 | Harame         | et al.                       |       |              |                               |  |  |
|                | A124        | 5,155,571          | 10/13/1992 | Wang et        | al.                          |       |              | ·                             |  |  |
|                | A125        | 5,177,583          | 01/05/1993 | Endo et        | al.                          |       |              |                               |  |  |
|                | A126        | 5,240,876          | 08/34/1993 | Gaul et d      | al.                          |       |              |                               |  |  |
|                | A127        | 5,241,197          | 08/31/1993 | Murakar        | ni <i>et al</i> .            |       | ·            |                               |  |  |
|                | A128        | 5,250,445          | 10/05/1993 | Bean et        | al.                          |       |              |                               |  |  |
|                | A129        | 5,291,439          | 03/01/1994 | Kauffma        | nn et al.                    |       |              |                               |  |  |
|                | A130        | 5,298,452          | 03/29/1994 | Meyerso        | n                            |       |              |                               |  |  |
|                | A131        | 5,316,958          | 05/31/1994 | Meyerso        | n                            |       |              |                               |  |  |
|                | A132        | 5,399,522          | 03/21/1995 | Ohori          |                              |       |              |                               |  |  |
|                | A133        | 5,424,243          | 06/13/1995 | Takasak        | i                            |       |              |                               |  |  |
|                | A134        | 5,426,069          | 06/20/1995 | Selvaku        | mar et al.                   |       |              |                               |  |  |
|                | A135        | 5,426,316          | 06/20/1995 | Mohami         | mad                          |       |              | ·                             |  |  |
|                | A136        | 5,439,843          | 08/08/1995 | Sakaguc        | hi <i>et al</i> .            |       |              |                               |  |  |
|                | A137        | 5,461,250          | 10/24/1995 | Burghar        | tz et al.                    |       |              |                               |  |  |
| 2)110          | A138        | 5,479,033          | 12/26/1995 | Baca et        | al.                          |       |              |                               |  |  |

DATE CONSIDERED 12/17/04

EXAMINER Congle K.

|                |         |                    |            |           |                            |            |              | 1 age 4 of 10                 |  |
|----------------|---------|--------------------|------------|-----------|----------------------------|------------|--------------|-------------------------------|--|
| FORM I         | PTO - 1 | 449                |            |           | ATTY DOCKET                | IO.: ASC-  | 022CPC1      |                               |  |
| INFORM         | OITAN   | N DISCLOSUF        | RE STATEM  | ENT       | APPLICANT: Wu et al.       |            |              |                               |  |
|                |         |                    |            |           | SERIAL NO.: 10/603,852     |            |              |                               |  |
|                |         |                    |            |           | FILING DATE: June 25, 2003 |            |              |                               |  |
|                |         |                    |            |           | EXAMINER: Ow               | ens, Dougl | as W.        |                               |  |
|                |         |                    |            |           | GROUP: 2811                |            |              |                               |  |
| <u> </u>       |         |                    | U.         | S. PATE   | NT DOCUMENTS               |            |              | ·                             |  |
| EXAM.<br>INIT. |         | DOCUMENT<br>NUMBER | DATE       | NAME      |                            | CLASS      | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |  |
| Q)k/9          | A139    | 5,523,243          | 06/04/1996 | Mohamn    | nad                        |            |              |                               |  |
| 1              | A140    | 5,572,043          | 11/05/1996 | Shimizu   | et al.                     |            |              |                               |  |
| $\top$         | A141    | 5,596,527          | 01/21/1997 | Tomioka   | et al.                     |            |              |                               |  |
|                | A142    | 5,617,351          | 04/01/1997 | Bertin et | al.                        |            |              | ·                             |  |
|                | A143    | 5,630,905          | 05/20/1997 | Lynch et  | al.                        |            |              |                               |  |
|                | A144    | 5,659,187          | 08/19/1997 | Legoues   | et al.                     |            |              |                               |  |
|                | A145    | 5,698,869          | 12/16/1997 | Yoshimi   | et al.                     |            |              |                               |  |
|                | A146    | 5,714,777          | 02/03/1998 | Ismail et | al.                        |            |              |                               |  |
|                | A147    | 5,739,567          | 04/14/1998 | Wong      |                            |            |              |                               |  |
|                | A148    | 5,777,347          | 07/07/1998 | Bartelinl | <                          |            |              |                               |  |
| •              | A149    | 5,786,612          | 07/28/1998 | Otani et  | al.                        |            |              |                               |  |
|                | A150    | 5,786,614          | 07/28/1998 | Chuang    | et al.                     |            |              |                               |  |
|                | A151    | 5,808,344          | 09/15/1998 | Ismail et | al.                        |            |              |                               |  |
|                | A152    | 5,847,419          | 12/08/1998 | Imai et a | ıl.                        |            |              |                               |  |
|                | A153    | 5,863,830          | 01/26/1999 | Bruel et  | al.                        |            |              |                               |  |
|                | A154    | 5,882,987          | 03/16/1999 | Srikrish  | nan                        |            |              |                               |  |
|                | A155    | 5,912,479          | 06/15/1999 | Mori et e | al.                        |            |              |                               |  |
|                | A156    | 5,963,817          | 10/05/1999 | Chu et a  | l.                         |            |              | ,                             |  |
|                | A157    | 5,993,677          | 11/30/1999 | Biasse e  | _                          |            |              |                               |  |
|                | A158    | 6,013,134          | 01/11/2000 | Chu et a  | l.                         |            |              |                               |  |
|                | A159    | 6,013,563          | 01/11/2000 | Henley o  | et al.                     |            |              |                               |  |
| T              | A160    | 6,020,252          | 02/01/2000 | Aspar et  | al.                        |            |              |                               |  |
|                |         |                    |            |           |                            |            |              |                               |  |

05/02/2000

Sugiura et al.

DATE CONSIDERED 12/17/04

WK19 A161

**EXAMINER** 

6,058,044

| FORM I         | PTO - 1 | 449                |            |                  | ATTY DOCKET                | ΓNO.: ASC-        | 022CPC1      |                            |  |  |
|----------------|---------|--------------------|------------|------------------|----------------------------|-------------------|--------------|----------------------------|--|--|
| INFORM         | OITAN   | N DISCLOSUI        | RE STATEM  | ENT              | APPLICANT: V               | Vu <i>et al</i> . |              |                            |  |  |
|                |         |                    |            |                  | SERIAL NO.: 1              | 0/603,852         |              |                            |  |  |
|                |         |                    |            |                  | FILING DATE: June 25, 2003 |                   |              |                            |  |  |
|                |         |                    |            |                  | EXAMINER: O                | wens, Dougl       | as W.        |                            |  |  |
| •              |         |                    |            |                  | GROUP: 2811                |                   |              |                            |  |  |
|                |         |                    | U.         | S. PATE          | NT DOCUMENTS               | S                 |              |                            |  |  |
| EXAM.<br>INIT. | -       | DOCUMENT<br>NUMBER | DATE       | NAME             | ô                          | CLASS             | SUB<br>CLASS | FILING DATE IF APPROPRIATE |  |  |
| Dho            | A162    | 6,103,597          | 08/15/2000 | Aspar et         | al.                        |                   | -            |                            |  |  |
| 1              | A163    | 6,103,599          | 08/15/2000 | Henley e         | et al.                     |                   |              |                            |  |  |
| $\neg \vdash$  | A164    | 6,130,453          | 10/10/2000 | Mei et a         | l.                         |                   |              |                            |  |  |
| $\neg \vdash$  | A165    | 6,133,799          | 10/17/2000 | Favors et al.    |                            |                   |              |                            |  |  |
| $\dashv$       | A166    | 6,140,687          | 10/31/2000 | Shimomura et al. |                            |                   |              |                            |  |  |
|                | A167    | 6,143,636          | 11/07/2000 | Forbes et al.    |                            |                   |              |                            |  |  |
|                | A168    | 6,160,303          | 12/12/2000 | Fattaruso        |                            |                   |              |                            |  |  |
|                | A169    | 6,162,705          | 12/19/2000 | Henley e         | et al.                     |                   |              |                            |  |  |
|                | A170    | 6,190,998 B1       | 02/20/2001 | Bruel et         | al.                        |                   |              |                            |  |  |
|                | A171    | 6,204,529          | 03/20/2001 | Lung et          | al.                        |                   |              |                            |  |  |
|                | A172    | 6,225,192 B1       | 05/01/2001 | Aspar et         | al.                        |                   |              |                            |  |  |
|                | A173    | 6,242,324          | 06/05/2001 | Kub et a         | ıl.                        |                   |              |                            |  |  |
|                | A174    | 6,249,022          | 06/19/2001 | Lin et al        |                            | · -               |              |                            |  |  |
|                | A175    | 6,251,751 B1       | 06/26/2001 | Chu et a         | 1.                         |                   |              |                            |  |  |
|                | A176    | 6,266,278          | 07/24/2001 | Harari e         | t al.                      |                   |              |                            |  |  |
|                | A177    | 6,271,551          | 08/07/2001 | Schmitz          | et al.                     |                   |              |                            |  |  |
|                | A178    | 6,271,726          | 08/07/2001 | Fransis 6        | et al.                     |                   |              |                            |  |  |
|                | A179    | 6,290,804 B1       | 09/18/2001 | Henley 6         | et al.                     |                   |              |                            |  |  |
|                | A180    | 6,303,468 B1       | 10/16/2001 | Aspar et         | al.                        |                   |              |                            |  |  |
|                | A181    | 6,316,301          | 11/13/2001 | Kant             |                            |                   |              |                            |  |  |
| 1.             | A182    | 6,326,667 B1       | 12/04/2001 | Sugiyan          | na et al.                  |                   |              |                            |  |  |
| 1              | A183    | 6,329,063          | 12/11/2001 | Lo et al.        |                            |                   |              |                            |  |  |
| DW19           | A184    | 6.339.232          | 01/15/2002 | Takagi           |                            |                   |              |                            |  |  |

DATE CONSIDERED 12/17/04

## **FORM PTO - 1449**

## INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: ASC-022CPC1

APPLICANT: Wu et al.

SERIAL NO.: 10/603,852

FILING DATE: June 25, 2003

EXAMINER: Owens, Douglas W.

GROUP: 2811

| EXAM.<br>INIT. |      | DOCUMENT<br>NUMBER | DATE       | NAME          |            | CLASS | SUB<br>CLASS | FILING DATE IF APPROPRIATE |
|----------------|------|--------------------|------------|---------------|------------|-------|--------------|----------------------------|
| 210            | A185 | 6,344,417 B1       | 02/05/2002 | Usenko        |            |       |              | ·                          |
| 1              | A186 | 6,346,459 B1       | 02/12/2002 | Usenko et al  |            |       |              |                            |
|                | A187 | 6,352,909          | 03/05/2002 | Usenko        |            |       |              |                            |
| 1.             | A188 | 6,355,493 B1       | 03/12/2002 | Usenko        |            |       |              |                            |
|                | A189 | 6,368,938 B1       | 04/09/2002 | Usenko        |            |       |              |                            |
|                | A190 | 6,369,438 B1       | 04/09/2002 | Sugiyama et   | al.        |       |              |                            |
|                | A191 | 6,372,593          | 04/16/2002 | Hattori et al | •          |       |              |                            |
|                | A192 | 6,372,609 B1       | 04/16/2002 | Aga et al.    |            |       |              |                            |
|                | A193 | 6,387,829 B1       | 05/14/2002 | Usenko et al  | •          |       |              |                            |
|                | A194 | 6,391,740 B1       | 05/21/2002 | Cheung et al  | •          |       |              |                            |
|                | A195 | 6,399,970          | 06/04/2002 | Kubo et al.   |            |       |              |                            |
|                | A196 | 6,403,975          | 06/11/2002 | Brunner et a  | 1.         |       |              |                            |
|                | A197 | 6,407,406          | 06/18/2002 | Tezuka        |            |       |              |                            |
|                | A198 | 6,410,371 B1       | 06/25/2002 | Yu et al.     |            |       |              |                            |
|                | A199 | 6,420,937          | 07/16/2002 | Akatsuka et   | al.        |       |              |                            |
|                | A200 | 6,425,951          | 07/30/2002 | Chu et al.    |            |       |              |                            |
|                | A201 | 6,429,061          | 08/06/2002 | Rim           | . <u> </u> |       |              |                            |
|                | A202 | 6,445,016 B1       | 09/03/2002 | An et al.     |            |       |              |                            |
|                | A203 | 6,448,152 B1       | 09/10/2002 | Henley et al. |            |       |              |                            |
|                | A204 | 6,455,397 B1       | 09/24/2002 | Belford       |            |       |              |                            |
|                | A205 | 6,458,672 B1       | 10/01/2002 | Henley et al. |            |       |              |                            |
| 1              | A206 | 6,475,072 B1       | 11/05/2002 | Canaperi et   | al.        |       |              |                            |
| 040            | A207 | 6,514,836 B2       | 02/04/2003 | Belford       |            |       |              |                            |
| EXAMI          | NER  | Donat 1            | k. O~      |               | DATE CONSI | DERED | 12/17        | 64                         |

| FORM PTO - 1449 | FORM | I PTO | - ] | 1449 |
|-----------------|------|-------|-----|------|
|-----------------|------|-------|-----|------|

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: ASC-022CPC1

APPLICANT: Wu et al.

SERIAL NO.: 10/603,852

FILING DATE: June 25, 2003

EXAMINER: Owens, Douglas W.

GROUP: 2811

| EXAM.<br>INIT.       |      | DOCUMENT<br>NUMBER | DATE       | NAME          |              | CLASS | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|------|--------------------|------------|---------------|--------------|-------|--------------|-------------------------------|
| 200                  | A208 | 6,515,335 B1       | 02/04/2003 | Christiansen  | et al.       |       | <u> </u>     |                               |
|                      | A209 | 6,524,935          | 02/25/2003 | Canaperi et a | ıl.          |       |              |                               |
|                      | A210 | 6,534,381 B2       | 03/18/2003 | Cheung et al  | •            |       |              |                               |
|                      | A211 | 6,555,839          | 04/29/2003 | Fitzgerald    |              |       |              |                               |
|                      | A212 | 6,583,437 B2       | 06/24/2003 | Mizuno et al  | •            |       |              |                               |
|                      | A213 | 6,593,191          | 07/15/2003 | Fitzgerald    | <del>,</del> |       |              | 01/17/2001                    |
|                      | A214 | 6,593,625 B2       | 07/15/2003 | Christiansen  | et al.       |       |              | 04/03/2002                    |
|                      | A215 | 6,596,610 B1       | 07/22/2003 | Kuwabara et   | al.          |       |              | 11/27/2000                    |
|                      | A216 | 6,602,613          | 08/05/2003 | Fitzgerald    |              |       |              | 05/16/2000                    |
|                      | A217 | 6,603,156          | 08/05/2003 | Rim           | ·            |       |              | 03/31/2001                    |
|                      | A218 | 6,607,948 B1       | 08/19/2003 | Sugiyama et   | al.          |       |              | 08/24/2001                    |
|                      | A219 | 6,624,047 B1       | 09/23/2003 | Sakaguchi et  | al.          |       |              | 02/01/2000                    |
|                      | A220 | 6,624,478 B2       | 09/23/2003 | Anderson et   | al           |       |              | 01/30/2002                    |
|                      | A221 | 6,632,724 B2       | 10/14/2003 | Henley et al. |              |       | ·            | 01/13/2000                    |
| $\neg \uparrow \neg$ | A222 | 6,635,909 B2       | 10/21/2003 | Clark et al.  |              |       |              | 03/19/2002                    |
|                      | A223 | 6,645,831 B1       | 11/11/2003 | Shaheen et a  | 1.           |       |              | 05/07/2002                    |
|                      | A224 | 6,646,322          | 11/11/2003 | Fitzgerald    |              |       |              | 07/16/2001                    |
|                      | A225 | 6,649,480          | 11/18/2003 | Fitzgerald et | al.          |       |              | 06/19/2001                    |
|                      | A226 | 6,649,492 B2       | 11/18/2003 | Chu et al.    |              |       |              | 02/11/2002                    |
|                      | A227 | 6,656,271 B2       | 12/02/2003 | Yonchara et   | al.          |       |              | 12/03/1999                    |
|                      | A228 | 6,664,169 B1       | 12/16/2003 | Iwasaki et al | • .          |       |              | 06/05/2000                    |
| 1                    | A229 | 6,677,183 B2       | 01/13/2004 | Sakaguchi e   | t al.        |       |              | 01/31/2002                    |
| RNO                  | A230 | 6,677,192          | 01/13/2004 | Fitzgerald    |              |       |              | 07/16/2001                    |
| EXAMI                | NER  | Ompl               | h. Om      |               | DATE CONSII  | DERED | 12/1-        | 1/04                          |

| FORM                            | ORM PTO - 1449                  |                    |            |                 |                             | ATTY DOCKET NO.: ASC-022CPC1            |                |                 |          |                       |  |  |
|---------------------------------|---------------------------------|--------------------|------------|-----------------|-----------------------------|---|----------------|-----------------|----------|-----------------------|--|--|
| INFOR                           | MATI                            | ON DISCLOS         | URE STATE  | EMENT           | APPLIC                      | ANT: Wu                                 | et al.         |                 |          |                       |  |  |
|                                 |                                 |                    |            |                 | SERIAL NO.: 10/603,852      |   |                |                 |          |                       |  |  |
|                                 |                                 |                    |            |                 | FILING DATE: June 25, 2003  |   |                |                 |          |                       |  |  |
|                                 |                                 |                    |            |                 | EXAMINER: Owens, Douglas W. |   |                |                 |          |                       |  |  |
|                                 |                                 |                    |            |                 | GROUP:                      | 2811                                    |                |                 |          |                       |  |  |
|                                 |                                 |                    |            | U.S. PATE       | NT DOCU                     | MENTS                                   |                |                 |          |                       |  |  |
| EXAM.<br>INIT.                  |                                 | DOCUMENT<br>NUMBER | DATE       | NAME            |                             | CLASS SUB FILING DATE CLASS APPROPRIATE |                |                 |          |                       |  |  |
| RING                            | A231                            | 6,680,240 B1       | 01/20/200  | 04 Maszara      |                             |   |                |                 | 06       | /25/2002              |  |  |
| 1                               |                                 |                    |            |                 | et al.                      |   |                |                 | 09       | /17/2002              |  |  |
|                                 | A233                            | 6,690,043 B1       | 02/10/200  | 04 Usuda et     | al.                         |   |                |                 | 11       | /22/2000              |  |  |
|                                 | A234                            | 6,703,144          | 03/09/20   | 04 Fitzgeral    | ld                          |   |                |                 | 03       | /18/2003              |  |  |
|                                 | A235                            | 6,703,688          | 03/09/20   | 04 Fitzgeral    | ald 07/16/2001              |   |                |                 |          | /16/2001              |  |  |
| A236 6,706,614 B1 03/16/2004 An |                                 |                    |            |                 | An et al. 05/15/2           |   |                |                 | /15/2002 |                       |  |  |
|                                 | A237 6,706,618 B2 03/16/2004    |                    |            | 04 Takisaw      | Takisawa et al.             |   |                |                 | 07       | /29/2002              |  |  |
|                                 | A238                            | 6,707,106 B1       | 03/16/200  | 04 Wristers     |                             |   |                |                 | 10       | /18/2002              |  |  |
|                                 | A239                            | 6,709,903          | 03/23/20   | 04 Christia     | nsen                        | -                                       |                |                 | 04       | /30/2003              |  |  |
|                                 | A240                            | 6,709,909 B2       | 03/23/200  | 04 Mizuno       | Mizuno et al.               |   |                |                 | 05       | /19/2003              |  |  |
|                                 | A241                            | 6,713,326          | 03/30/20   | 04 Cheng e      | Cheng <i>et al.</i> 03/0    |   |                |                 |          | /04/2003              |  |  |
|                                 | A242                            | 6,723,661          | 04/20/20   | 04 Fitzgera     | ld                          |   |                |                 | 07       | /16/2001              |  |  |
|                                 | A243                            | 6,730,551          | 05/04/20   | 04 Lee et ai    | l.                          |   |                |                 | 08       | /02/2002              |  |  |
|                                 | A244                            | 6,737,670          | 05/18/20   | 04 Cheng e      | t al.                       |   |                |                 | 03       | /07/2003              |  |  |
| RW                              | A245                            | 6,750,130          | 06/15/20   | 04 Fitzgera     | ld                          |   |                |                 | 01       | /07/2001              |  |  |
|                                 |                                 |                    |            |                 |                             |   |                |                 |          |                       |  |  |
|                                 |                                 |                    | F          | DREIGN PA       | TENT DO                     | CUMENT                                  | S              |                 |          |                       |  |  |
| EXAM.<br>INIT.                  |                                 | DOCUMENT<br>NUMBER | DATE       | COUNTRY<br>CODE | CLASS                       | SUB<br>CLASS                            | FILING<br>DATE | ABSTRAC<br>ONLY | т        | ENGLISH LANG<br>(Y/N) |  |  |
| 010                             | B9                              | 41 01 167          | 07/23/1992 | DE              |                             | 100                                     |                | N               |          | Y (Abstract only)     |  |  |
| Q 149                           | B10                             | 0 514 018          | 11/19/1992 | EP              |                             |   |                | I Y             |          | Y                     |  |  |
| DKO                             | OKO B11 0 829 908 03/18/1998 EI |                    | EP         |                 |                             | •                                       | N              |                 | Y        |                       |  |  |
| QWO                             | B12                             | 0 838 858          | 04/29/1998 | EP              |                             |   |                | N               |          | N                     |  |  |
| DV0                             | B13 1 020 900 07/19/2000 EP     |                    |            |                 | N Y                         |   |                |                 |          | Υ                     |  |  |
| EXAMI                           | EXAMINER Dingth On              |                    |            |                 |                             | DATE CONSIDERED /2/17/04                |                |                 |          |                       |  |  |

| FORM I                   | PTO -             | 1449               |            |    | ATTY DOCKET NO.: ASC-022CPC1 |         |                          |                |                 |   |                            |  |
|--------------------------|-------------------|--------------------|------------|----|------------------------------|---------|--------------------------|----------------|-----------------|---|----------------------------|--|
| INFORM                   | MATI              | ON DISCLOS         | URE STATE  | M  | ENT                          | APPLICA | ANT: Wu                  | et al.         |                 |   |                            |  |
|                          |                   |                    |            |    |                              | SERIAL  | NO.: 10/6                | 503,852        | •               |   |                            |  |
|                          |                   |                    |            |    |                              | FILING  | DATE: Ju                 | ne 25, 200     | )3              |   |                            |  |
|                          |                   |                    |            |    |                              | EXAMIN  | VER: Owe                 | ns, Dougl      | as W.           |   |                            |  |
|                          |                   |                    |            |    |                              | GROUP:  | 2811                     |                |                 |   |                            |  |
| ·                        |                   |                    |            | U. | S. PATEN                     | IT DOCU | MENTS                    |                |                 |   |                            |  |
| EXAM.<br>INIT.           |                   | DOCUMENT<br>NUMBER | DATE       |    | NAME                         |         |                          | CLASS          | SUB<br>CLASS    | ı | LING DATE IF<br>PPROPRIATE |  |
|                          |                   |                    |            |    |                              |         | /                        |                |                 |   |                            |  |
| FOREIGN PATENT DOCUMENTS |                   |                    |            |    |                              |         |                          |                |                 |   |                            |  |
| EXAM.<br>INIT.           |                   | DOCUMENT<br>NUMBER | DATE       |    | OUNTRY<br>ODE                | CLASS   | SUB<br>CLASS             | FILING<br>DATE | ABSTRAC<br>ONLY | Т | ENGLISH LANG<br>(Y/N)      |  |
| 00                       | B14               | 1 174 928          | 01/23/2002 | E  | P                            |         |                          |                | N               |   | Y                          |  |
| 000                      | B15               | 2 701 599          | 09/01/1993 | FI | ₹                            |         |                          |                | Y               |   | Y                          |  |
| RIVO                     | B16               | 2 342 777          | 04/19/2000 | G  | В                            |         |                          |                | Y               |   | Y                          |  |
| DVO                      | B17               | 61/141116          | 06/28/1986 | Л  |                              | ·       |                          |                | N               |   | Y (Abstract only)          |  |
| DWD                      | B18               | 2/210816           | 08/22/1990 | ЛF |                              |         |                          |                | N               |   | Y (Abstract only)          |  |
| DWO                      | B19               | 3/036717           | 02/18/1991 | JF | )                            |         |                          |                | N               |   | Y                          |  |
| DWO                      | B20               | 4-307974           | 10/30/1992 | ЛF | )                            |         |                          |                | N               |   | N                          |  |
| RNO                      | B21               | 5-166724           | 07/23/1993 | JF |                              |         |                          |                | N               |   | Y (Abstract only)          |  |
| OWO                      | B22               | 6-177046           | 06/24/1994 | ЛF |                              |         |                          |                | N               |   | Y (Abstract only)          |  |
| ENO.                     | B23               | 6-244112           | 09/02/1994 | ЛF | )                            |         |                          |                | Y               |   | Y                          |  |
| DWO                      | B24               | 6-252046           | 09/09/1994 | JI |                              |         |                          |                | Y               |   | Y                          |  |
| DWO                      | B25               | 7-094420           | 04/07/1995 | Л  | )                            |         |                          |                | N               |   | Y (Abstract only)          |  |
| EW?                      | B26               | 7-106446           | 04/21/1995 | JF | )                            |         |                          |                | N               |   | N                          |  |
| EW ?                     | B27               | 7-240372           | 09/12/1995 | JF | )                            |         |                          |                | N               |   | Y (Abstract only)          |  |
| Okg                      | B28               | 10-270685          | 10/09/1998 | JF | )                            |         |                          |                | N -             |   | Y                          |  |
| DWO                      | B29               | 11-233744          | 08/27/1999 | Л  | ·                            |         |                          |                | N               |   | N                          |  |
| OKO                      | B30               | 2000-021783        | 01/21/2000 | JI | )                            |         |                          |                | N /             |   | Y                          |  |
| DE                       | B31               | 2001-319935        | 11/16/2001 | JI | )                            |         |                          |                | N               |   | Υ .                        |  |
| RNO                      | B32               | 2002-076334        | 03/15/2002 | JI | >                            |         |                          |                | N               |   | Y                          |  |
| OK)                      | B33               | 2002-164520        | 06/07/2002 | Л  | )                            |         |                          |                | N               |   | Y                          |  |
| EXAMI                    | XAMINER Ong k. On |                    |            |    |                              |         | DATE CONSIDERED /2/17/04 |                |                 |   |                            |  |

| FORM 1         | PTO -                 | 1449               |            |                 | ATTY DOCKET NO.: ASC-022CPC1 |                          |                |  |          |                        |  |
|----------------|-----------------------|--------------------|------------|-----------------|------------------------------|--------------------------|----------------|--|----------|------------------------|--|
| INFOR          | MATI                  | ON DISCLOSU        | JRE STATE  | MENT            | APPLICA                      | NT: Wu                   | et al.         |  |          |                        |  |
|                |                       |                    |            |                 | SERIAL NO.: 10/603,852       |                          |                |  |          |                        |  |
|                |                       |                    |            |                 | FILING DATE: June 25, 2003   |                          |                |  |          |                        |  |
| ·              |                       |                    |            |                 | EXAMINER: Owens, Douglas W.  |                          |                |  |          |                        |  |
|                |                       |                    |            |                 | GROUP: 2                     | 2811                     |                | ·                                      |          |                        |  |
|                |                       |                    |            | U.S. PATEI      | NT DOCUM                     | ENTS                     |                |  |          |                        |  |
| EXAM.<br>INIT. |                       | DOCUMENT<br>NUMBER | DATE       | NAME            |                              |                          | CLASS          | SUB<br>CLASS                           |          | IG DATE IF<br>COPRIATE |  |
|                |                       |                    |            |                 |                              |                          |                |  |          |                        |  |
|                |                       |                    |            |                 |                              |                          |                |  | <u> </u> |                        |  |
|                |                       |                    | FO         |                 | TENT DOC                     | <del></del>              | <del></del>    |  |          | ·                      |  |
| EXAM.<br>INIT. |                       | DOCUMENT<br>NUMBER | DATE       | COUNTRY<br>CODE | CLASS                        | SUB<br>CLASS             | FILING<br>DATE | ABSTR<br>ONLY                          | ACT      | ENGLISH<br>LANG (Y/N)  |  |
| DFD            | B34                   | 2002-289533        | 10/04/2002 | JР              |                              |                          |                | N                                      |          | Y                      |  |
| ONO            | B35                   | 00/54338           | 09/14/2000 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| SVO            | B36                   | 01/22482           | 03/29/2001 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| DHO            | B37                   | 01/54202           | 07/26/2001 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| ONO            | B38                   | 01/93338           | 12/06/2001 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| ONO            | B39                   | 02/13262           | 02/14/2002 | wo              |                              | -                        |                | N                                      |          | Y                      |  |
| EN O           | B40                   | 02/15244           | 02/21/2002 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| Dkg            | B41                   | 02/27783           | 04/04/2002 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| 040            | B42                   | 02/47168           | 06/13/2002 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| Oko            | B43                   | 02/071488          | 09/12/2002 | wo              |                              |                          |                | N                                      |          | Y                      |  |
|                |                       | 02/071491          | 09/12/2002 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| WYO            | B45                   | 02/071495          | 09/12/2002 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| OWO            | B46                   | 02/082514          | 10/17/2002 | WO              |                              |                          |                | N                                      |          | Y                      |  |
| QVO            | B47                   | 04/006311          | 01/15/2004 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| 010            | B48                   | 04/006326          | 01/15/2004 | WO              |                              |                          |                | N                                      |          | Y                      |  |
| 2060           | B49                   | 04/006327          | 01/15/2004 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| 240            | B50                   | 04/019403          | 03/04/2004 | wo              |                              |                          |                | N                                      |          | Y                      |  |
| DW             | B51                   | 04/019404          | 03/04/2004 | wo              |                              |                          |                | N                                      |          | Y                      |  |
|                |                       |                    |            |                 |                              |                          |                | ــــــــــــــــــــــــــــــــــــــ |          | <u> </u>               |  |
| EXAMI          | EXAMINER Dough K. Own |                    |            |                 |                              | DATE CONSIDERED 12/17/04 |                |  |          |                        |  |

| FORM PTO   | - 1449  |                  |            | ATTY DOCKET NO.: ASC-022CPC1 |                         |                            |                    |          |                           |  |  |
|--|---|------------------|------------|------------------------------|-------------------------|----------------------------|--------------------|----------|---------------------------|--|--|
| INFORMAT   | ION DISCLOSU  | RE STATEM        | ENT        | APPLICA                      | NT: Wu                  | et al.                     |                    |          |                           |  |  |
|  |   |                  |            | SERIAL NO.: 10/603,852       |                         |                            |                    |          |                           |  |  |
|  |   |                  |            | FILING DATE: June 25, 2003   |                         |                            |                    |          |                           |  |  |
|  |   |                  |            | EXAMINI                      | ER: Owe                 | ens, Dougla                | ıs W.              |          |                           |  |  |
|  |   |                  |            | GROUP:                       | 2811                    |                            |                    |          |                           |  |  |
|  |   | Ū                | S. PATE    | NT DOCUM                     | IENTS '                 |                            | <u>-</u>           |          |                           |  |  |
| EXAM.<br>INIT.   | DOCUMENT<br>NUMBER  | DATE             | NAME       |                              |                         | CLASS                      | SUB<br>CLASS       |          | NG DATE IF<br>COPRIATE    |  |  |
|  |   |                  |            |                              |                         |                            |                    |          |                           |  |  |
| FOREIGN PATENT DOCUMENTS   |   |                  |            |                              |                         |                            |                    |          |                           |  |  |
|  |   |                  |            |                              |                         |                            |                    |          |                           |  |  |
|  |   | OTHER            | ART, JOL   | RNAL ART                     | CICLES,                 | ETC.                       |                    |          |                           |  |  |
| EXAM. OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) INIT. |   |                  |            |                              |                         |                            |                    |          |                           |  |  |
| 2 60 C71   | Armstrong et al., "Design of Si/SiGe Heterojunction Complementary Metal-Oxide-Semiconductor Transistors," IEDM Technical Digest (1995 International Electron Devices Meeting), pp. 761-764. |                  |            |                              |                         |                            |                    |          |                           |  |  |
| Ok C C72   | Augusto et al., 'MOSFETs with   | •                |            |                              |                         |                            |                    | -        | -                         |  |  |
| Or 0 C73   | Bouillon et al.,<br>IEEE, (1996), p   |                  |            | innel architec               | ture for 0              | .18/0.12 μm                | bulk CMO           | S exper  | imental study,"           |  |  |
| 240 C74  | Bufler <i>et al.</i> , "I<br>84, No. 10 (No   |                  |            |                              | on Si <sub>1-y</sub> Go | e <sub>y</sub> substrates, | " <u>Journal o</u> | f Applic | ed Physics, Vol.          |  |  |
| ON C75   | Burghartz et al.<br>IEEE Transaction  |                  |            |                              |                         |                            |                    |          | on Technology,"<br>0-104. |  |  |
| ONO C76  | Canaperi et al.,<br>devices with str  | -                |            | -                            |                         |                            |                    | -        |                           |  |  |
| 060 C77  | Carlin et al., "H<br>pp. 1006-1011.   | igh Efficiency ( | GaAs-on-Si | Solar Cells w                | ith High                | Voc Using (                | Graded GeS         | i Buffer | s," IEEE (2000),          |  |  |
| O 160 C78  | Cullis et al., "G<br>Journal of Vacu  |                  |            |                              |                         |                            |                    |          |                           |  |  |
| OKO C79  | Currie et al., "C<br>substrates," <u>Jou</u>  |                  |            |                              |                         |                            |                    |          |                           |  |  |
| ©160 C80   | Currie et al., "C<br>Mechanical Pol   |                  |            |                              |                         |                            |                    |          |                           |  |  |
| OKO C81  | 64, No. 16 (Apr   |                  |            |                              | Growth o                | of Ge on Si(1              | 100)," <u>Phys</u> | ical Rev | view Letters, Vol.        |  |  |
| EXAMINER   | Donat &   | ( O              |            | DATE                         | CONSII                  | DERED /                    | Unl                | 04       |                           |  |  |

| FORM PTO - 1   | 1449                                   | ATTY DOCKET NO.: ASC-022CPC1       |                                       |                                    |                                       |                                |                            |                                 |   |
|----------------|--|------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|--------------------------------|----------------------------|---------------------------------|---|
| INFORMATIO     | APPLICANT: Wu et al.                   |                                    |                                       |                                    |                                       |                                |                            |                                 |   |
|                |  | SERIAL N                           | O.: 10/6                              | 603,852                            |                                       |                                | i                          |                                 |   |
|                |  |                                    |                                       | FILING DA                          | ATE: Ju                               | ne 25, 2003                    | 3                          |                                 |   |
|                |  |                                    |                                       | EXAMINE                            | R: Owe                                | ns, Dougla                     | s W.                       |                                 |   |
|                | -                                      | ,                                  |                                       | GROUP: 2                           | 811                                   |                                |                            |                                 |   |
|                |  |                                    | U.S. PATE                             | NT DOCUM                           | ENTS                                  |                                |                            | ,                               |   |
| EXAM.<br>INIT. | DOCUMENT<br>NUMBER                     | DATE                               | NAME                                  |                                    |                                       | CLASS                          | SUB<br>CLASS               |                                 | OPRIATE                                   |
|                |  | FOI                                | REIGN PA                              | TENT DOCU                          | JMENT                                 | S                              |                            | <u> </u>                        | <u> </u>                                  |
| EXAM.<br>INIT. | DOCUMENT<br>NUMBER                     | DATE                               | COUNTRY                               |                                    | SUB<br>CLASS                          | FILING                         | ABSTE                      |                                 | ENGLISH<br>LANG (Y/N)                     |
|                |  |                                    |                                       |                                    |                                       |                                |                            |                                 |   |
|                |  | OTHER                              | ART, JOU                              | IRNAL ART                          | ICLES,                                | ETC.                           |                            |                                 |   |
| EXAM. OTHE     | ER DOCUMENT                            | S: (Including                      | Author, Ti                            | tle, Date, Rele                    | vant Paş                              | ges, Place of                  | Publication                | n)                              |   |
| DLO C82        | Journal of Appl                        | ied Physics, V                     | ol. 80, No. 4                         | (August 15, 1                      | 996), pp.                             | 2234-2252.                     |                            |                                 | nd SiGe alloys,"                          |
| OKO C83        | Fischetti, "Long structures," Jour     | range Coulor<br>mal of Applied     | nb interactio<br><u>1 Physics,</u> Vo | ns in small Si<br>ol. 89, No. 2 (J | devices.<br>anuary 1                  | Part II. Effe<br>5, 2001), pp. | ctive electr<br>1232-125   | ronmob<br>0.                    | ility in thin-oxide                       |
| OKO C84        | Fitzgerald et al.<br>Engineering, Be   |                                    |                                       | relaxed grade                      | i compos                              | ition semico                   | nductors,"                 | <u>Materia</u>                  | als Science and                           |
| ENO C85        | Garone et al., "S<br>Letters, Vol. 56  |                                    |                                       |                                    |                                       | he presence (                  | of germane                 | ," <u>Appl</u>                  | ied Physics                               |
| ON O C86       | Godbey et al., (<br>an Etch Stop," J   | 1990) "Fabrica<br>Journal of the I | ation of Bond<br>Electrical So        | l and Etch-Bac<br>ciety, Vol. 137  | k Silicor<br>, No. 10                 | Insulator U<br>(October 19     | sing a Stra<br>90) pp. 321 | ined SI <sub>0</sub><br>19-3223 | <sub>0.7</sub> GE <sub>0.3</sub> Layer as |
| DWC87          | Gray et al., "An                       |                                    |                                       |                                    |                                       |                                |                            |                                 |   |
| ON 9 C88       | Grillot et al., "A<br>Physics, Vol. 91 |                                    |                                       |                                    | (Ga <sub>1-x</sub> ) <sub>0.5</sub> l | n <sub>0.5</sub> P heteros     | tructures,"                | <u>Journa</u>                   | l of Applied                              |
| OK C89         | Grützmacher et growth atmosph          | ere," Applied                      | Physics Lett                          | <u>ers,</u> Vol. 63, N             | lo. 18 (N                             | ovember 1, 1                   | 993), pp. 2                | 2531-25                         | 33.                                       |
| ON C90         | Hackbarth et al.<br>Crystal Growth,    | , "Strain reliev<br>Vol. 201/202   | ved SiGe buf<br>(1999), pp.           | fers for Si-bas<br>734-738.        | ed hetero                             | structure fie                  | d-effect tra               | nsistor                         | s," <u>Journal of</u>                     |
| EXAMINER       | Dough !                                | h.On                               | A                                     | DATE                               | CONSII                                | DERED /                        | 2/17/                      | 04                              |   |

| FORM PTO - 1449                  |       |   |  |   |  | ATTY DOCKET NO.: ASC-022CPC1 |                             |                             |                       |                                    |  |  |
|----------------------------------|-------|---|--|---|--|------------------------------|-----------------------------|-----------------------------|-----------------------|------------------------------------|--|--|
| INFORMATION DISCLOSURE STATEMENT |       |   |  |   | APPLICAN   | NT: Wu                       | et al.                      |                             |                       |                                    |  |  |
|                                  |       | SERIAL N  | O.: 10/6   | 503,852                                       |  |                              |                             |                             |                       |                                    |  |  |
|                                  |       |   |  |   | FILING D   | ATE: Ju                      | me 25, 2003                 | 3                           |                       |                                    |  |  |
| •                                |       |   |  |   | EXAMINE  | R: Owe                       | ens, Dougla                 | s W.                        |                       |                                    |  |  |
| _                                |       |   |  |   | GROUP: 2   | 2811                         |                             |                             |                       |                                    |  |  |
|                                  |       |   |  | U.S. PATE                                     | NT DOCUM   | ENTS                         |                             |                             |                       |                                    |  |  |
| EXAM.<br>INIT.                   |       | DOCUMENT<br>NUMBER                              | DATE   | NAME  |  |                              | CLASS                       | SUB<br>CLASS                |                       | NG DATE IF<br>ROPRIATE             |  |  |
|                                  |       |   |  |   |  |                              |                             |                             | <u></u>               |                                    |  |  |
|                                  |       | -   | FO   | REIGN PA                                      | TENT DOC   | JMENT                        | S                           |                             |                       | T                                  |  |  |
| EXAM.<br>INIT.                   |       | DOCUMENT<br>NUMBER                              | DATE   | COUNTRY                                       | CLASS  | SUB<br>CLASS                 | FILING<br>DATE              | ABSTI                       |                       | ENGLISH<br>LANG (Y/N)              |  |  |
|                                  |       |   |  |   |  |                              |                             |                             |                       | <u> </u>                           |  |  |
|                                  |       |   |  | · · · · · · · · · · · · · · · · · · ·         | RNAL ART   |                              |                             |                             |                       | <u></u>                            |  |  |
| EXAM.<br>INIT.                   | OTHE  | R DOCUMENT                                      | rs: (Includin  | g Author, Ti                                  | tle, Date, Rele                                      | evant Pa                     | ges, Place of               | Publication                 | on)                   |                                    |  |  |
| ONG                              | C91   | Halsall et al., "AlGalnP system                 |  |   |  |                              |                             |                             | ation or              | ordering in the                    |  |  |
| CMO                              | C92   | Herzog et al., " (December 12,                  |  |   | sues and Devi  | ice Resul                    | ts," <u>Thin Sol</u>        | <u>id Films,</u> V          | /ol. 380              | , No. 1-2                          |  |  |
| ON9                              | C93   | Thin Solid Film                                 | ns, Vol. 336 (1  | 1998), pp. 141                                | 1-144.   |                              |                             |                             |                       | T applications,"                   |  |  |
| Økg                              | C94   | Höck et al., "H<br>by plasma-enha<br>3920-3922. | igh hole mobi<br>anced chemica   | lity in Si <sub>0.17</sub> C<br>I vapor depos | e <sub>0.83</sub> channel i<br>ition," <u>Applie</u> | netal-oxi<br>d Physics       | de-semicond<br>Letters, Vol | uctor field<br>I. 76, No. 2 | -effect t<br>26 (June | ransistors grown<br>26, 2000), pp. |  |  |
| DKO                              | C95   | Höck et al., "H<br>(September 17,               |  |   | -type Ge/SiGe  | MODFE                        | Ts," Electro                | nics Letter                 | s, Vol. 3             | 34, No. 19                         |  |  |
| DHO                              | C96   | Hsu <i>et al.</i> , "Sui<br>1295                | rface morpholo   | ogy of related                                | Ge <sub>x</sub> Si <sub>1-x</sub> films              | ," <u>Appl.</u>              | Phys. Lett., \              | /ol. 61, No                 | ). 11 (19             | 992), pp. 1293-                    |  |  |
| RRO                              | C97   | Huang et al., " State Circuits,                 |  |   |  |                              | n CMOS RF                   | Circuits,"                  | IEEE J                | ournal of Solid-                   |  |  |
| DKI                              | C98   |   | Huang et al., (2001) "Carrier Mobility enhancement in strained Si-on-insulatoir fabricated by wafer bonding", 2001 Symposium on VLSI Technology, Digest of Technical Papers, pages 57-58 |   |  |                              |                             |                             |                       |                                    |  |  |
| 2kg                              | C99   | IBM Technical<br>Out," Vol. 35,                 |  |   |  | M Cell U                     | sing Band to                | Band Tun                    | neling f              | or Data Read-                      |  |  |
| OkO                              | C100  | Ismail et al., "I<br>10 (September              |  |   | /SiGe with In  | verted Int                   | erface," App                | lied Physic                 | cs Lette              | <u>rs</u> , Vol. 65, No.           |  |  |
| EXAMI                            | NER ( | Duske   | K. Om  | n-  | DATE   | CONSII                       | DERED                       | 12/17                       | 1/69                  | <i>i</i>                           |  |  |

| FORM PTO - 1                     | ATTY DOCKET NO.: ASC-022CPC1            |               |                 |                      |              |                            |                       |          |                         |  |
|----------------------------------|---|---------------|-----------------|----------------------|--------------|----------------------------|-----------------------|----------|-------------------------|--|
| INFORMATION DISCLOSURE STATEMENT |   |               |                 | APPLICANT: Wu et al. |              |                            |                       |          |                         |  |
|                                  |   | SERIAL N      | O.: 10/6        | 503,852              |              |                            |                       |          |                         |  |
|                                  |   |               |                 | FILING D             | ATE: Ju      | ine 25, 200                | 3                     |          |                         |  |
|                                  |   |               |                 | EXAMINE              | R: Owe       | ens, Dougla                | s W.                  |          |                         |  |
|                                  |   |               |                 | GROUP: 2             |              | , 0                        |                       |          |                         |  |
|                                  |   |               | U.S. PATEN      | NT DOCUM             |              |                            |                       |          |                         |  |
| EXAM.                            | DOCUMENT                                | DATE          | NAME            |                      |              | CLASS                      | SUB                   | FILIN    | IG DATE IF              |  |
| INIT.                            | NUMBER                                  |               |                 |                      |              |                            | CLASS                 | APPR     | OPRIATE                 |  |
|                                  |   |               |                 |                      |              |                            |                       |          |                         |  |
|                                  |   | FOI           | REIGN PAT       | TENT DOC             | JMENT        | S                          |                       |          |                         |  |
| EXAM.<br>INIT.                   | DOCUMENT<br>NUMBER                      | DATE          | COUNTRY<br>CODE | CLASS                | SUB<br>CLASS | FILING<br>DATE             | ABSTI                 |          | ENGLISH<br>LANG (Y/N)   |  |
|                                  |   |               |                 |                      |              |                            |                       |          |                         |  |
|                                  |   | OTHER         | R ART, JOU      | RNAL ART             | icles,       | ETC.                       |                       |          |                         |  |
| EXAM. OTHE                       | R DOCUMENT                              | S: (Including | Author, Tit     | le, Date, Rele       | evant Pa     | ges, Place of              | Publication           | on)      |                         |  |
| EM9 C101                         | Kearney et al., " Science and Tec       |               |                 |                      | ility of h   | oles in a Si <sub>l-</sub> | Ge <sub>x</sub> quant | um well  | ," <u>Semiconductor</u> |  |
| OWO C102                         | Kim et al., "A F<br>Letters, Vol. 8, 1  |               |                 |                      | ise Ampl     | ifier," <u>IEEE</u>        | Microwave             | and G    | uided Wave              |  |
| DKG C103                         | Koester et al., "I<br>Electron Device   | Letters, Vol. | 21, No. 3 (M    | arch 2000), p        | p. 110-11    | 2.                         |                       |          |                         |  |
| DKO C104                         | König et al., "p-<br>Electron Device    |               |                 |                      |              |                            | irown on S            | i Substr | ates," <u>IEEE</u>      |  |
| C)49 C105                        | König et al., "Si                       | Ge HBTs and   | HFETs," So      | lid-State Elec       | tronics, V   | 'ol. 38, No. 9             | 9 (1995), p           | p. 1595  | ·1602.                  |  |
| OK 9 C106                        | Kummer et al., '89 (2002), pp. 2        |               | olasma enhan    | ced chemical         | vapor de     | position," <u>M</u>        | aterials Sci          | ence an  | d Engineering B,        |  |
| 090 C107                         | Kuznetsov et al.  Journal of Vacu       |               |                 |                      |              |                            |                       |          |                         |  |
| ON C108                          | Langdo et al., (2<br>SOI Conference     |               |                 |                      | rained Si    | on Insulator               | Substrates            | " IEEE   | International           |  |
| Okg C109                         | Larson, "Integra<br>Journal of Solid    |               |                 |                      |              |                            | nd Future I           | Directio | ns," <u>IEEE</u>        |  |
| NO C110                          | Lee et al., "CM(<br>(October 2000),     |               |                 | at 5 GHz and         | Beyond,"     | Proceedings                | of the IEE            | E, Vol.  | 88, No. 10              |  |
| Okg CIII                         | Lee et al., "Strai<br>virtual substrate |               |                 |                      |              |                            |                       | -        |                         |  |
| EXAMINER                         | Das                                     | &-O_          | _               | DATE                 | CONSII       | DERED                      | 12/17                 | 64       |                         |  |

| FORM                                  | PTO - 1   | 1449  | ATTY DOCKET NO.: ASC-022CPC1 |                      |                                  |   |                           |                                   |                    |                                |  |  |
|---------------------------------------|---|---|------------------------------|----------------------|----------------------------------|---|---------------------------|-----------------------------------|--------------------|--------------------------------|--|--|
| INFORMATION DISCLOSURE STATEMENT      |   |   |                              |                      | APPLICANT: Wu et al.             |   |                           |                                   |                    |                                |  |  |
| INFORMATION DISCLOSURE STATEMENT      |   |   |                              |                      | SERIAL N                         | O.: 10/6  | 03,852                    |                                   |                    |                                |  |  |
|                                       |   |   |                              |                      |                                  |   | ne 25, 2003               | 3                                 |                    |                                |  |  |
|                                       |   |   |                              |                      |                                  |   | ns, Dougla                |                                   |                    |                                |  |  |
|                                       |   |   |                              |                      | GROUP:                           |   | , 0                       |                                   |                    |                                |  |  |
|                                       |   | <del></del>   |                              | U.S. PATEN           | IT DOCUM                         | ENTS  |                           |                                   |                    |                                |  |  |
| EXAM.<br>INIT.                        |   | DOCUMENT<br>NUMBER                                      | DATE                         | NAME                 |                                  |   | CLASS                     | SUB<br>CLASS                      |                    | NG DATE IF                     |  |  |
|                                       |   |   |                              |                      |                                  |   |                           |                                   |                    |                                |  |  |
| · · · · · · · · · · · · · · · · · · · |   |   | FC                           | REIGN PAT            | ENT DOC                          | JMENTS  | S                         |                                   |                    |                                |  |  |
| EXAM.<br>INIT.                        |   | DOCUMENT<br>NUMBER                                      | DATE                         | COUNTRY<br>CODE      | CLASS                            | SUB<br>CLASS  | FILING<br>DATE            | ABSTI                             | -                  | ENGLISH<br>LANG (Y/N)          |  |  |
|                                       |   |   |                              |                      |                                  | <u> </u>  |                           |                                   |                    | <u> </u>                       |  |  |
|                                       |   |   |                              | R ART, JOU           |                                  |   |                           |                                   |                    | <del></del>                    |  |  |
| EXAM.<br>INIT.                        | ОТНЕ  | ER DOCUMENT   | rs: (Includin                | g Author, Tit        | le, Date, Rel                    | evant Pag   | es, Place of              | Publicatio                        | n)                 |                                |  |  |
| DLO                                   | C112  | Lee et al., "Stra<br>Society Sympo                      |                              |                      |                                  |   |                           | tual substr                       | ates," <u>N</u>    | 1aterial Research              |  |  |
| D40                                   | C113  | Leitz et al., "C<br>Research Socie                      |                              |                      |                                  |   |                           |                                   | SFETs              | ," <u>Material</u>             |  |  |
| OLO                                   | C114  | Leitz et al., "H<br>transistors grov<br>(December 17,   | vn on relaxed                | $Si_{1-x}Ge_x(x< y)$ | n strained Si/<br>virtual substi | Si <sub>1-y</sub> Ge <sub>y</sub> p-<br>rates," App | type metal-oplied Physics | oxide-semi<br><u>s Letters,</u> V | conduct<br>ol. 79, | tor field-effect<br>No. 25     |  |  |
| CAVO                                  | C115  | Li et al., "Designation transistors with 2002), pp. 103 | reduced shor                 |                      |                                  |   |                           |                                   |                    |                                |  |  |
| Dkg                                   | C116  | Lu et al., "High<br>Transactions of                     |                              |                      |                                  |   |                           |                                   | ODFE               | Г's," <u>IEEE</u>              |  |  |
| Sko                                   | C117  | Meyerson et al<br>Physics Letters                       |                              |                      |                                  |   |                           | -Temperat                         | ure Epit           | axy," <u>Applied</u>           |  |  |
| ONO                                   | C118 Mizuno et al., "Advanced SOI-MOSFETs with Strained-Si Channel for High Speed CMOS-Electron/Hole Mobility Enhancement," Digest of Technical Papers, 2002 Symposium on VLSI Technology, Honolulu, June 13-15, New York, NY, pp. 210-211. |   |                              |                      |                                  |   |                           |                                   |                    |                                |  |  |
| OKO                                   | C119  | Mizuno et al., SIMOX Techn                              |                              |                      |                                  |   |                           |                                   |                    | ricated by<br>ng), pp. 934-936 |  |  |
| OHG                                   | C120  | Nayak et al., "I<br>(October 1996)                      |                              |                      | MOSFET's,"                       | IEEE Tra  | nsactions on              | Electron                          | Devices            | , Vol. 43, No. 10              |  |  |
|                                       | NER (   | (1) 1/4   | (6)                          |                      | DATE                             |   |                           |                                   | 7                  |                                |  |  |

| FORM                             | PTO - 1 | 1449                                     |                |                 | ATTY DOCKET NO.: ASC-022CPC1 |                                     |                       |                    |           |                       |  |
|----------------------------------|---------|--|----------------|-----------------|------------------------------|-------------------------------------|-----------------------|--------------------|-----------|-----------------------|--|
| INFORMATION DISCLOSURE STATEMENT |         |  |                |                 | APPLICANT: Wu et al.         |                                     |                       |                    |           |                       |  |
| ., 010                           | 2130200 | SERIAL N                                 | O.: 10/6       | 503,852         |                              |                                     |                       |                    |           |                       |  |
|                                  |         |  |                |                 | FILING D                     | ATE: Ju                             | ine 25, 200           | 3                  |           |                       |  |
|                                  |         |  |                |                 |                              |                                     | ens, Dougla           |                    |           |                       |  |
|                                  |         |  |                |                 | GROUP: 2                     |                                     | ,                     |                    |           |                       |  |
| <del></del>                      |         |  |                | U.S. PATE       | NT DOCUM                     |                                     |                       |                    | -         |                       |  |
| EXAM.                            |         | DOCUMENT                                 | DATE           | NAME            |                              |                                     | CLASS                 | SUB                | FILE      | NG DATE IF            |  |
| INIT.                            |         | NUMBER                                   |                |                 | <del></del>                  |                                     |                       | CLASS              | APPF      | ROPRIATE              |  |
|                                  |         |  | Д              |                 |                              |                                     |                       |                    |           |                       |  |
| •                                |         |  |                | 1               | FENT DOC                     |                                     |                       | 1 ::               |           |                       |  |
| EXAM.<br>INIT.                   |         | DOCUMENT<br>NUMBER                       | DATE           | COUNTRY<br>CODE | CLASS                        | SUB<br>CLASS                        | FILING DATE           | ABSTI<br>ONLY      |           | ENGLISH<br>LANG (Y/N) |  |
|                                  |         |  |                |                 |                              |                                     |                       | <del></del>        |           |                       |  |
| · - · · -                        | L       |  | OTHE           | R ART, JOU      | IRNAL ART                    | ICLES,                              | ETC.                  | <u> </u>           |           |                       |  |
| EXAM.<br>INIT.                   | ОТНЕ    | R DOCUMENT                               | rs: (Including | g Author, Ti    | le, Date, Rele               | vant Pag                            | ges, Place of         | Publication        | on)       |                       |  |
| exp                              | C121    | O'Neill et al., 'Technology, V           |                |                 | hannel Hetero                | junction                            | MOSFETs,"             | Semicond           | luctor S  | cience and            |  |
| Qh g                             | C122    | Ota et al., "App<br>30, No. 11 (Ma       |                |                 | ET to power                  | amplifier                           | for cellular t        | elephone,"         | Electro   | onic Letters, Vol.    |  |
| RO                               | C123    |  |                |                 | onic Circuits                | or Teleco                           | mmunicatio            | n Applicat         | ions," (  | 1999), pp. 115-       |  |
| DWO.                             | C124    | Parker et al., "5<br>pp. 1497-1506.      |                | ucture CMOS     | Circuits and                 | Applicati                           | ons," <u>Solid-</u> : | State Elect        | ronics, ' | Vol. 43 (1999),       |  |
| OH/9                             | C125    | Ransom et al.,<br>Electron Devic         |                |                 |                              |                                     | anium MOS             | FET's," <u>IE</u>  | EE Tra    | nsactions on          |  |
| 240                              | C126    | Reinking et al.,<br>35, No. 6 (Mar       |                |                 | ity Ge p-chan                | nel MOS                             | FETs on Si s          | ubstrates,"        | Electro   | onics Letters, Vol.   |  |
| 040                              | C127    | Rim, "Applicat<br>Effect Transisto       |                |                 |                              |                                     |                       | etal-Oxide         | -Semico   | onductor Field-       |  |
| 200                              | C128    | Rim et al., "En                          | hanced Hole M  | lobilities in S | urface-channe                | l Straine                           | d-Si p-MOSI           | FETs," <u>IE</u> F | E, (199   | 95), pp. 517-520.     |  |
| 016                              | C129    | Rim et al., "Fal<br>Electron Device      |                | -               | -                            |                                     | I-Si N-MOSI           | FETs," <u>IEF</u>  | E Tran    | sactions on           |  |
| Mo                               | C130    | Robbins et al.,<br>Vol. 69, No. 6        |                |                 |                              | <sub>l-x</sub> Ge <sub>x</sub> fili | ns for hydrid         | les," <u>Journ</u> | al of Ar  | oplied Physics,       |  |
| Old                              | C131    | Sakaguchi <i>et al</i><br>Electrochemica |                |                 |                              |                                     | dings of the          | 195th Int.         | SOI Syı   | mposium,              |  |
| EXAMI                            | NER     | Dougle                                   | k. 9.          |                 | DATE                         | CONSIL                              | DERED /               | 2/11/              | 04        |                       |  |

| FORM           | FORM PTO - 1449 |   |                                 |                           |                             | ATTY DOCKET NO.: ASC-022CPC1 |   |                             |                    |                                 |  |  |
|----------------|-----------------|---|---------------------------------|---------------------------|-----------------------------|------------------------------|---|-----------------------------|--------------------|---------------------------------|--|--|
| INFOR          | MATIC           | N DISCLOSU  | RE STATEN                       | MENT                      | APPLICANT: Wu et al.        |                              |   |                             |                    |                                 |  |  |
|                |                 |   |                                 |                           | SERIAL N                    | O.: 10/6                     | 503,852                                 |                             |                    |                                 |  |  |
|                |                 |   |                                 |                           | FILING D                    | ATE: Ju                      | ine 25, 200                             | 3                           |                    |                                 |  |  |
|                |                 |   |                                 |                           | EXAMINE                     | R: Owe                       | ens, Dougla                             | s W.                        |                    |                                 |  |  |
|                |                 |   |                                 |                           | GROUP: 2                    | 2811                         |   |                             |                    |                                 |  |  |
|                |                 |   | 1                               | U.S. PATE                 | NT DOCUM                    | ENTS                         |   |                             |                    |                                 |  |  |
| EXAM.<br>INIT. |                 | DOCUMENT<br>NUMBER                                  | DATE                            | NAME                      |                             |                              | CLASS                                   | SUB<br>CLASS                | i .                | G DATE IF<br>OPRIATE            |  |  |
|                |                 |   |                                 |                           |                             |                              |   |                             |                    |                                 |  |  |
|                |                 |   | FO                              | REIGN PA                  | TENT DOC                    | JMENT                        | S                                       |                             | ,                  | ,                               |  |  |
| EXAM.<br>INIT. |                 | DOCUMENT<br>NUMBER                                  | DATE                            | COUNTRY                   | CLASS                       | SUB<br>CLASS                 | FILING<br>DATE                          | ABSTI                       | -                  | ENGLISH<br>LANG (Y/N)           |  |  |
|                |                 |   |                                 |                           |                             | <u> </u>                     |   |                             |                    |                                 |  |  |
|                | _               |   | _                               |                           | RNAL ART                    |                              |   |                             |                    |                                 |  |  |
| EXAM.<br>INIT. | ОТНЕ            | ER DOCUMENT   |                                 |                           |                             |                              |   |                             |                    |                                 |  |  |
| ONO            | C132            | Schäffler, "High<br>1515-1549.                      |                                 |                           |                             |                              |   |                             |                    |                                 |  |  |
| Ølg            | C133            | Sugimoto et al.,<br>Institute of Elec<br>1329.      | "A 2V, 500 N<br>tronics, Inform | MHz and 3V, nation and Co | 920 MHz Lor<br>ommunication | w-Power<br>Enginee           | Current-Mors, Vol. E82                  | de 0.6 µm (<br>-C, No. 7 () | CMOS V<br>July 199 | VCO Circuit,"<br>99), pp. 1327- |  |  |
| EXE            | C134            | Ternent et al., "pp. 38-43.                         | Metal Gate Str                  | rained Silicon            | n MOSFETs f                 | or Micro                     | wave Integra                            | ted Circuit                 | s," <u>IEE</u> I   | (October 2000),                 |  |  |
| DV9            | C135            | Tsang et al., "M<br>Vol. 75, No. 12                 |                                 |                           |                             | rain in th                   | in Ge <sub>x</sub> Si <sub>1-x</sub> la | yers," <u>Jour</u>          | nal of A           | applied Physics,                |  |  |
| DKO            | C136            | Tweet et al., "Fe<br>Applied Physics                |                                 |                           |                             |                              |   |                             | silane a           | nd germane,"                    |  |  |
| DKG            | C137            | Welser et al., "E<br>Transistors," <u>IE</u>        |                                 |                           |                             |                              |   |                             | conduct            | tor Field-Effect                |  |  |
| OKO            | C138            | Welser et al., "E<br>MOSFETs," <u>IEI</u>           |                                 | -                         | t-Electron Tra              | nsfer in I                   | ligh Mobilit                            | y, Strained                 | -Si Mul            | tilayer                         |  |  |
| DHO            | C139            | Welser et al., "N<br>Structures," <u>IEE</u>        |                                 |                           |                             | in Strair                    | ned Silicon/F                           | Relaxed Sili                | con-Ge             | rmanium                         |  |  |
| Ok             | C140            | Welser, "The A<br>Semiconductor<br>(1994), pp. 1-12 | Field-Effect T                  |                           |                             |                              |   |                             |                    |                                 |  |  |
| Oko            | C141            | Wolf et al., <u>Silid</u><br>(1986), pp. 384        |                                 | g for the VLS             | I Era, Vol. 1:              | Process                      | Technology,                             | Lattice Pre                 | ess, Sun           | set Beach, CA,                  |  |  |
| EXAMI          | NER             | Dong hr.  | 0-                              | -                         | DATE                        | CONSI                        | DERED                                   | 12/17                       | 104                |                                 |  |  |
|                |                 |   | <u> </u>                        |                           |                             |                              |   |                             |                    |                                 |  |  |

| FORM PTO - 1449                  |  |                                      |                                   | ATTY DOCKET NO.: ASC-022CPC1                  |                                 |                        |  |                         |          |                        |
|----------------------------------|--|--------------------------------------|-----------------------------------|---|---------------------------------|------------------------|--|-------------------------|----------|------------------------|
| INFORMATION DISCLOSURE STATEMENT |  |                                      |                                   | APPLICANT: Wu et al.                          |                                 |                        |  |                         |          |                        |
| ,                                |  |                                      |                                   | SERIAL N                                      | O.: 10/6                        | 503,852                |  |                         |          |                        |
|                                  |  |                                      |                                   |   | FILING D                        | ATE: Ju                | ine 25, 200  | 3                       |          |                        |
|                                  |  |                                      |                                   |   | EXAMINE                         | R: Owe                 | ens, Dougla  | s W.                    |          |                        |
|                                  |  |                                      |                                   |   | GROUP: 2                        | 2811                   |  |                         |          |                        |
| U.S. PATENT DOCUMENTS            |  |                                      |                                   |   |                                 |                        |  |                         |          |                        |
| EXAM.<br>INIT.                   |  | DOCUMENT<br>NUMBER                   | DATE                              | ATE NAME CLASS SUB FILING DAT CLASS APPROPRIA |                                 |                        |  |                         |          |                        |
|                                  |  |                                      |                                   |   |                                 |                        |  |                         |          |                        |
|                                  |  |                                      | FO                                | REIGN PA                                      | TENT DOC                        | JMENT                  | `S   |                         |          | ·                      |
| EXAM.<br>INIT.                   |  | DOCUMENT<br>NUMBER                   | DATE                              | COUNTRY<br>CODE                               | CLASS                           | SUB<br>CLASS           | FILING<br>DATE   | ABSTI                   |          | ENGLISH<br>LANG (Y/N)  |
|                                  |  |                                      |                                   |   |                                 | <u> </u>               |  |                         |          | <u> </u>               |
|                                  |  |                                      |                                   |   | JRNAL ART                       |                        | ·  |                         |          |                        |
| EXAM.<br>INIT.                   | ОТНЕ   | ER DOCUMENT                          | S: (Including                     | Author, Ti                                    | tle, Date, Rele                 | evant Pag              | ges, Place of  | Publication             | on)      |                        |
| QKO                              | C142   | Xie et al., "Sem<br>Review Letters,  | iconductor Su<br>Vol. 73, No. 2   | rface Rough<br>22 (November                   | ness: Depender 28, 1994), p     | ence on S<br>p. 3006-3 | Sign and Mag<br>3009.                                    | mitude of I             | Bulk Str | rain," <u>Physical</u> |
| DKO                              | C143   | Xie et al., "Ver<br>epitaxy," Applie | y high mobility<br>ed Physics Let | two-dimens<br>ters, Vol. 63,                  | sional hole gas<br>No. 16 (Octo | in Si/ Go<br>ber 18, 1 | e <sub>x</sub> Si <sub>1-x</sub> /Ge str<br>993), pp. 22 | uctures gro<br>63-2264. | own by   | molecular beam         |
| Q40                              | C144   | Xie, "SiGe field                     | effect transist                   | ors," <u>Materi</u>                           | als Science and                 | d Engine               | ering, Vol. 2  | 5 (1999), p             | р. 89-1  | 21.                    |
| 200                              | Yamagata et al., "Bonding, Splitting and Thinning by Porous Si in ELTRAN; SOI- Epi Wafer," Material Research Society Symposium Proceedings, Vol. 681E (2001), pp. 18.2.1-18.2.10 |                                      |                                   |   |                                 |                        |  |                         |          |                        |
| EXAMI                            | NER  | Doch &                               | . On                              |   | DATE CO                         | ONSIDI                 | ERED /   | 2/17                    | 108      | jî                     |

3110927